

Title (en)
MANUFACTURING METHOD OF LIGHT EMITTING DIODE

Title (de)
HERSTELLUNGSVERFAHREN FÜR EINE LEUCHTDIODE

Title (fr)
PROCEDE DE FABRICATION DE DIODE ELECTROLUMINESCENTE

Publication
EP 1922762 B1 20170531 (EN)

Application
EP 06783634 A 20060817

Priority
• KR 2006003227 W 20060817
• KR 20050078784 A 20050826

Abstract (en)
[origin: WO2007024069A1] Disclosed is a manufacturing method of a light emitting diode. The manufacturing method comprises the steps of preparing a substrate and mounting light emitting chips on the substrate. An intermediate plate is positioned on the substrate. The intermediate plate has through-holes for receiving the light emitting chips and grooves for connecting the through-holes to one another on its upper surface. A transfer molding process is performed with a transparent molding material by using the grooves as runners to form first molding portions filling the through-holes. Thereafter, the intermediate plate is removed, and the substrate is separated into individual light emitting diodes. Accordingly, it is possible to provide a light emitting diode in which the first molding portion formed through a transfer molding process is positioned within a region encompassed by cut surfaces of the substrate. Since the first molding portion is positioned within the region encompassed by the cut surfaces of the substrate, second molding portions can be symmetrically formed on the side surfaces of the first molding portions in various manners.

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